

# PATENT ABSTRACTS OF JAPAN

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## (54) SIGNAL TRANSMISSION SYSTEM IN MOBILE COMMUNICATION

(57)Abstract:

**PURPOSE:** To eliminate signal error when reception quality is reduced by stopping the transmission while the reception quality is deteriorated or sending the signal while using a modulation signal with higher reliability. **CONSTITUTION:** Each carrier of a transmitter 14 of a base station 10 and a transmitter 33 of a mobile station 17 has the same frequency and the transmission is applied in time division so that the transmission is attained at alternate time slot and its control is executed by controllers 12, 24. In this case, the controller 12 becomes master and the controller 24 is controlled synchronously with the controller 12. The reception level information from a receiver 28 is fed to a signal transmission/reception control circuit 45 via a reception level information line 31 in the controller 12 to discriminate whether or not the reception level is a specified value or over. In case of the reception level below the specified value, the signal readout from a buffer circuit 44 to a signal output line 13 in the next time slot to be sent from the base station 10 via the signal readout control line 46. Moreover, the modulation system has only to be changed with higher reliability. Thus, the information signal is sent with high reliability.



